

SOVARIS AEROSPACE

LEADING THE WAY IN THE DEVELOPMENT OF
PERSONALIZED MEDICINE FOR HUMANS IN SPACE

SERVICES GUIDE

sovarisaerospace.com



LEADING THE WAY IN THE DEVELOPMENT OF
PERSONALIZED MEDICINE FOR HUMANS IN SPACE &
EXTREME ENVIRONMENTS ON EARTH

SOVARIS
AEROSPACE

SERVICES

Research
Services

**Clinical
Decision
Support**
Services

Product
Development
Services

Training
Services

sovarisaerospace.com

Research Services

- Experimental design for large cohort studies
- Experimental design for small cohort studies
- Experimental design for space analog studies
- Experimental design for spaceflight studies
- Pre-analytical and biobanking experimental and clinical operations
- Biomarker discovery and development
- Omics and multi-scale omics study design and management
- Pharmacogenomics and pharmacometabolomics study design
- PM test panel development
- Machine learning applied to precision medicine and human factors

Clinical Decision Support Services

- Clinical chemistry test selection
- Clinical laboratory profile interpretation
- Pharmacogenomics test selection & interpretation
- Team/Crew consultation: *Special Forces, Olympic, NBA, NFL, NHL, S.W.A.T., spaceflight*
- Athlete consultation: *Special Forces, Olympic, NBA, NFL, NHL, S.W.A.T., spaceflight*
- Individualized countermeasure development derived from targeted and multivariate laboratory interpretation

Product Development Services

- Molecular lead development and pipeline development
- Discovery, screening, and lead optimization
- *In silico* modeling
- Pre-Clinical, Phase I, Phase II, Phase III trial design, management
- Regulatory support
- Laboratory test development (*clinical chemistry, metagenome, genomics, etc.*)
- Device development support and technology cross-validation support

Training

- Remote Medicine: Wilderness First Responder Training and Certification
- Human Performance: Training for operations in extreme environments
- Readiness Training: Suborbital Space Flight Participants (metabolic optimization)
- Readiness Training: Orbital Space Flight Participants (metabolic optimization)
- Readiness Training: Beyond Low Earth Orbit Space Flight Participants (metabolic optimization)